Customer No.: 31561
Application No.: 10/711,512
Docket No.: 13622-US-PA

## To the Claims:

1. (original) A high density plasma chemical vapor deposition (HDPCVD) process, comprising:

performing a first deposition step on a wafer;

rotating the wafer with an angle; and

performing a second deposition step for completing a thin film deposition, the thin film having a uniform thickness, wherein a deposition system is adapted to deposit the thin film comprises n gas output holes, wherein the first and the second deposition steps require a time interval, and at one half of the time interval, the wafer is rotated at the angle of 360/2n degrees, and n is an integer.

- 2. (original) The HDPCVD process of claim 1, wherein the deposition system comprises eight output holes and the angle is 22.5 degrees.
- 3. (original) The HDPCVD process of claim 1, wherein the first and the second deposition steps constitute a deposition cycle, the process further comprising: repeating the deposition cycle at least once.
- 4. (original) The HDPCVD process of claim 3, wherein the deposition system comprises eight output holes and the angle is 22.5 degrees.
- 5. (original) A high density plasma chemical vapor deposition (HDPCVD) process, comprising:

performing a first deposition step on a wafer; rotating the wafer with an angle; and

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performing a second deposition step for completing a thin film deposition, the thin film having a uniform thickness, wherein a deposition system is adapted to deposit the thin film comprises n gas output holes, and performing the first and the second deposition steps require a time interval, wherein at 1/m of the time interval, the wafer is rotated at the angle of 360/(m\*n) degrees, and m and n are integers.

- 6. (original) The HDPCVD process of claim 5, wherein the wafer is rotated with the angle at one half of the time.
- 7. (original) The HDPCVD process of claim 6, wherein the deposition system comprises eight output holes and the angle is 22.5 degrees.
- 8. (original) The HDPCVD process of claim 5, wherein the first and the second deposition steps constitute a deposition cycle, the process further comprising: repeating the deposition cycle at least once.
- 9. (original) The HDPCVD process of claim 8, wherein the wafer is rotated with the angle at one half of the time.
- 10. (original) The HDPCVD process of claim 9, wherein the deposition system comprises eight output holes and the angle is 22.5 degrees.
- 11. (currently amended) A method for improving uniformity of thickness of a thin film, adapted for a high density plasma chemical vapor deposition process, comprising:

forming the thin film with uniform thickness by rotating a wafer with an angle while depositing the thin film on the wafer.

12. (original) The method for improving uniformity of thickness of a thin film of claim 11, wherein a deposition system adapted to deposit the thin film comprises n gas

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output holes; depositing the thin film on the wafer require a time; and at 1/m of the time, the wafer is rotated an angle with 360/(m\*n), and m and n are integers.

- 13. (original) The method for improving uniformity of thickness of a thin film of claim 12, wherein at 1/2 of the time, the wafer is rotated with the angle.
- 14. (original) The method for improving uniformity of thickness of a thin film of claim 13, wherein the deposition system comprises eight output holes and the angle is 22.5 degrees.

15. (cancelled)